**2019 Western Society of Crop Science Annual Meeting**

**June 25-26, 2019**

**Tri-Cities, WA**

**Tuesday, June 25, 2019**

7:45am  Check-In, tour bus arrives - Red Lion Inn Pasco

8:15am  Agricultural Tour (Wine Science Center, Richland Lamb Weston Plant, Lunch (Five Guys), WSU Alfalfa variety trial, Tony Zilar Farm, Columbia Basin College Agriculture

3:00pm  On-site Registration, Break & Set Up for Presentations - Byron Gjerde Center

Professional Presentation Section I (Byron Gjerde Center); Moderator: Olga Walsh

3:10pm  Welcome, M.A. Marsalis, WSCS President and Naidu Rayapati, Assistant Dean and Director of Irrigated Research and Extension Center


3:45pm  Effect of Potassium and Harvest Time on Forage Production, Nutritive Value, and Potassium Uptake of Alfalfa.  A. Islam and M. M. Baidoo

4:05pm  Evaluating Alfalfa for Dairy Cattle from a Nutrient Perspective.  O. S. Norberg


4:45 pm  Nutrient Management for Various Potato Varieties for the Columbia Basin of Oregon.  R. Qin

5:05 pm  Discussion & Adjourn; Dinner on your own
Wednesday, June 26, 2019

9:00am  Coffee

9:15am  Introduction and Logistics, Olga Walsh

Student Competition: Oral Presentation Section I (Byron Gjerde Center); Moderator: Sandya Kesoju

9:20am  Effect of Application Rate of Phosphorus and Potassium on the Quality of Alfalfa (Medicago sativa L.). **E. Mackey**, O. S. Norberg, and J. H. Harrison


10:20am  Potential for Glyphosate Injury to Glyphosate-Resistant Alfalfa in Frost-Prone Environments. **C. Loveland**

10:40am  Break & Student Oral Presentation Judging

Professional Presentation Section II (Byron Gjerde Center); Moderator: Leonard Lauriault

11:00am  Is Dual-Purpose Canola Feasible in the PNW? **S. C. Fransen**, D. Llewellyn, D. L. Boss, and O. S. Walsh


11:40am  In-Depth Evaluation of NILs with and without the Gpc-B1 Gene. **J. A. Torrion**


12:40am  Lunch (on your own)
Student Poster Presentations (5-7-minute presentations per poster) (Byron Gjerde Center); 2:00pm to 3:00pm; Moderator: Steve Fransen
1 Nodulation and N Fixation Progress of Fava Beans in Two Fields with Different Soil Texture and Moisture Conditions. J. Prieto-Garcia and A. Becerra-Alvarez

2 Effectiveness of Weed Control Methods for Fava Bean Production. R. Saldivar, M. Fernandez, A. Medic, H. Zakeri, and K. Brasier

3 Quantifying Nitrogen Removal from Fava Bean Harvest. S. Estrada, A. Cox, K. Brasier, and H. Zakeri

4 Effect of Terminal Bud Clipping on Growth and Yield of Soybean. C. Walker, O. Sheriff, T. Core, and S. Kesoju


6 Stalk Bending Strength Predicts Lodging across Years, Locations and Environments. A. Bebee and D. J. Robertson

7 Seeding Rates, Herbicide, and Drought Effects on Oat-Alfalfa Companion Crops. C. Roberts


10 Genome-Wide Association Study for Salt Tolerance in Elite Alfalfa Germplasm. A. S. Gill

3:00pm Break & Student Oral Presentation Judging

Professional Poster Presentations (5-7-minute presentations per poster) (Byron Gjerde Center); 3:30pm to 4:30pm; Moderator: Rajan Ghimire
1 Improving Nutrient Management for Wheat through Comprehensive Soil and Crop Survey. O. S. Walsh, C. W. Rogers, S. Shafian, J. McClintick-Chess, and J. Marshall


UAV-Based in-Season Assessment of Fruit Trees. **O. S. Walsh**, S. Shafian, and E. Fallahi

Nitrogen and Water Management for Optimized Sugar Beet Yield and Sugar Content. **O. S. Walsh**, S. Shafian, and J. McClintick-Chess

Nitrogen Management Aid Application in Winter Wheat and Barley. **O. S. Walsh** and J. McClintick-Chess

4:30pm Break
4:45pm WSCS Business Meeting
5:30pm Adjourn
6:00pm Dinner and Student Awards
Western Society of Crop Science Tour Agenda
June 25, 2019

7:45am Bus arrives at Red Lion Inn Pasco
8:15am Bus leaves
8:45am Bus arrives at Wine Science Center (Kauryn Balcom 509-372-7223) 2710 Crimson Way, Richland, Washington 99354
9:30am Bus leaves Wine Science Center
9:40am Bus arrives at Richland Lamb Western Plant (Toby Ripplinger - 208-317-2503) 2013 Saint Street, Richland, WA 99354
11:30am Load bus to go to lunch (5 Guys) 2671 Queensgate Dr, Richland, WA 99352
12:30pm Load bus and go on Crop Tour
12:50pm Arrive at Steve Norberg’s Alfalfa variety trial plots (Janet Street, Pasco, WA 99301
1:15pm Head to Tony Zilar 570 Glenwood Rd., Pasco, WA 99301 (509-438-5246
1:30pm Arrive Zilar Farm
2:15pm Leave Zilar Farm
2:35pm Arrive at Columbia Basin College Agriculture program Sandya Kesoju
2:40pm Walking tour Columbia Basin College Agriculture Program
3:00pm Arrive at Meeting Room (Byron Gjerde Center)